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Applicant: GANG LUO ET AL. § Group Art Unit: 2172
Serial No.: 09/842,991 §
Filed: April 26, 2001 § Examiner: Chongshan Chen
For: METHOD AND APPARATUS § Atty. Dkt. No.: NCR.0038US
FOR PERFORMING HASH § (9558)
JOIN §

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

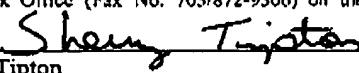
REPLY TO OFFICE ACTION MAILED MAY 6, 2004

Dear Sir:

In response to the Office Action dated May 6, 2004, the applicants submit the following remarks regarding the above-identified application.

The claims have not been amended by this paper.

Remarks/Arguments begin on page 10 of this paper.

Date of Deposit: July 6, 2004
I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. 703/872-9306) on the date indicated above.

Sherry Tipton

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To:	Examiner Chonghsan Chen Group Art Unit 2172	From:	Dan C. Hu
Company:	USPTO	Date:	July 6, 2004
Fax:	(703) 872-9306	Pages:	14 (including coversheet)
Your Re:	09/842,991	Our Re:	9558 (NCR.0038US)

Attorney Docket No.: 9558 (NCR.0038US)
Date: April 30, 2004

DCH/dlt

The Patent and Trademark Office date stamp sets forth the receipt date (or both the receive date and the serial no.) of a patent application identified as follows:

Applicants: Gang Luo et al.
Serial No.: 09/842,991
Filing Date: April 26, 2001
Title: METHOD AND APPARATUS FOR PERFORMING HASH JOIN

1. Reply to Office Action Mail May 6, 2004

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